



MTH10/101

MTH10·101 Series

Accelerator pedal for electronic throttle control systems



FEATURES/BENEFITS

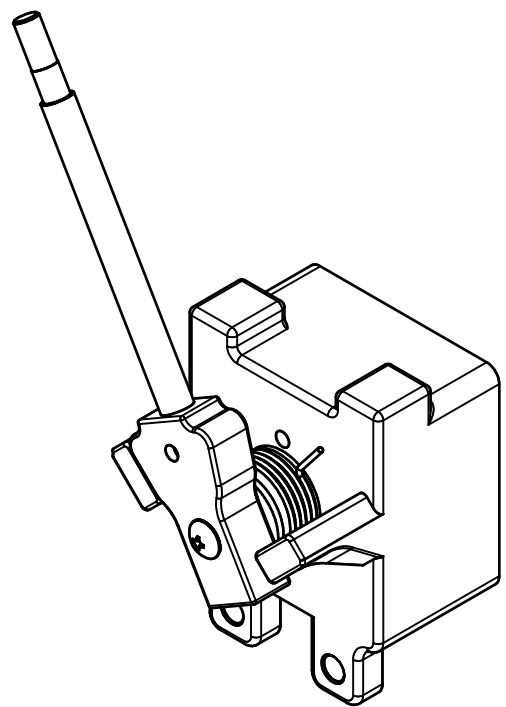
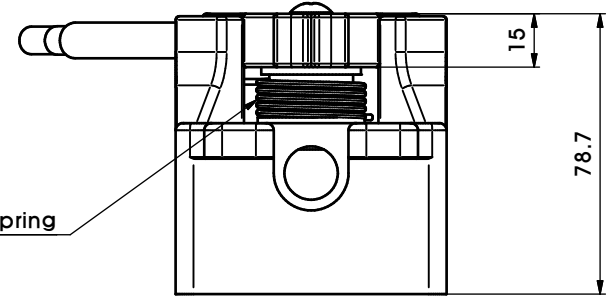
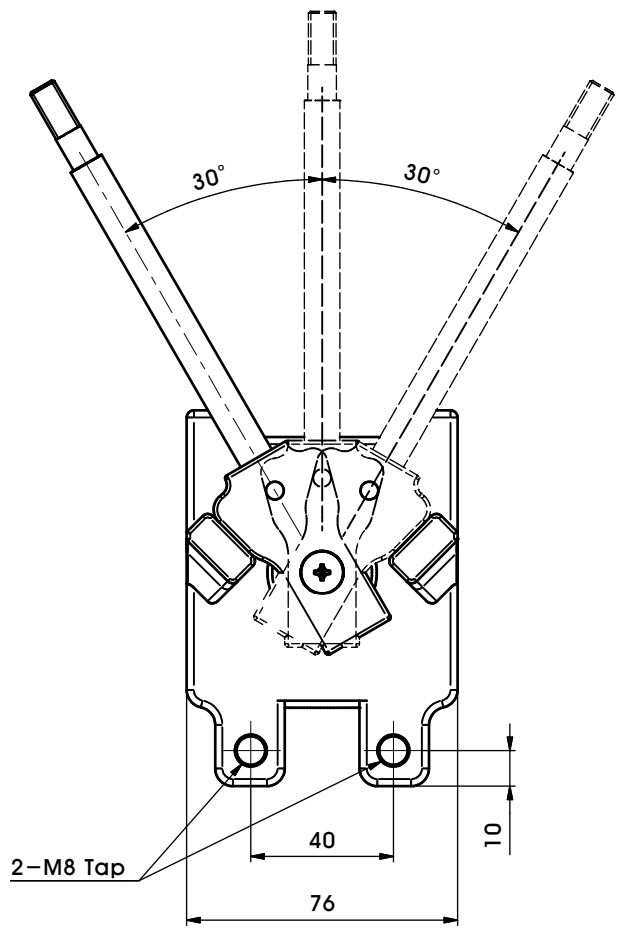
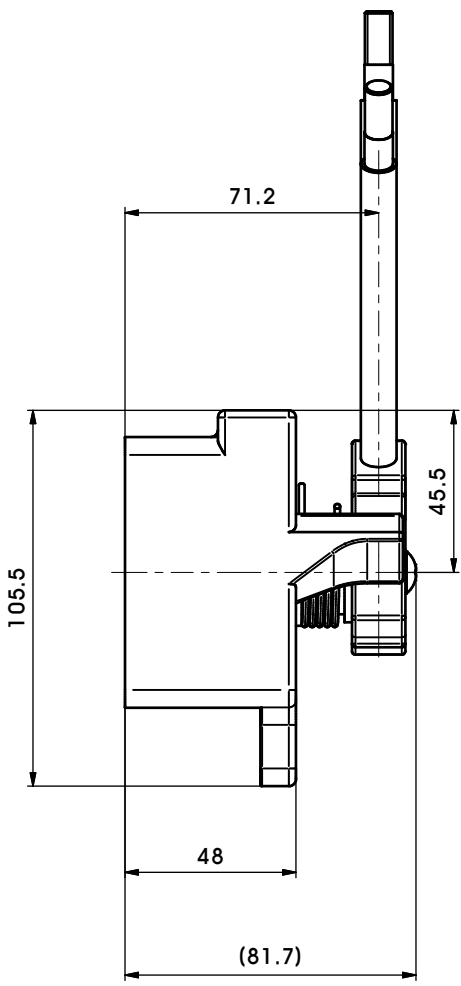
- ◆ **Output :** Single, Dual output, PWM, CAN Bus as per SAE J-1939
Robust Pedal Design
- ◆ **Body Housing :** Aluminum(ADC12) =>H10
- ◆ **Body Housing :** PA66-GF30% (Black) => H101
- ◆ **Integrated sensor :** detachable
- ◆ **Switch :** Double, Electronic or mechanical
- ◆ **Connector :** AMP J-Series
- ◆ **Option :** Delphi, Deutsch, Packard weather seal or as requested.

TYPICAL SPECIFICATIONS

PRODUCT LIFE	FULL TRAVEL CYCLES	3 M
ELECTRONICS	Seal Integrity	IP67
	ESD	Tested in accordance with IEC 61000-4-2
	EMS	As per ISO 11452-2 (2004E)
ELECTRICAL	Input Voltage	5 / 12 / 24 / 48 / 72 Vdc as requested
	Signal and Switches	Signal type and switch position to be in accordance with customer specification.
MECHANICAL	Pedal Travel	70 +/- 2deg
	Pedal Force	TBC Adjustable as per customer specification.
	End-Break	100kgf +/- 5kgf
ENVIRONMENT	Operation Temp.	-40 ~ +85°C
	Storage Temp.	-40 ~ +105°C
	Vibration	Subject to broadband random vibration between 20 and 2000Hz for 20 hrs in all 3 axis.
	Shock	After exposed to Acceleration 20G for 11ms
	Salt fog	After exposed to Salt Fog 96 Hours (JIS Z2371)
Impact	Free drop onto a smooth concrete floor from a height of one meter, a total of 6 times.	

Part No. -

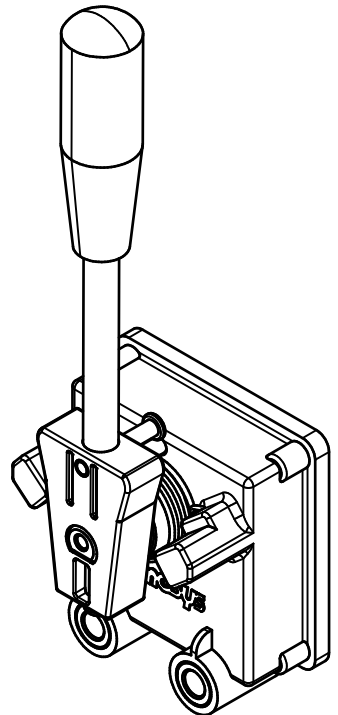
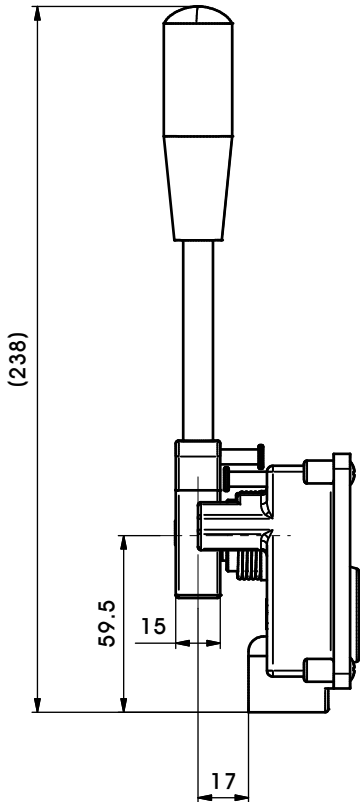
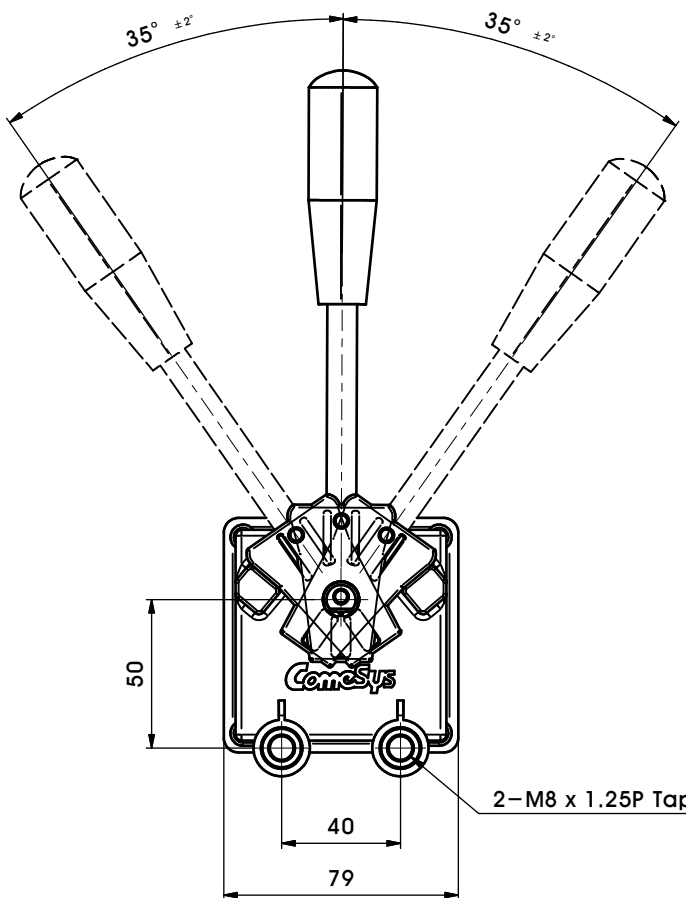
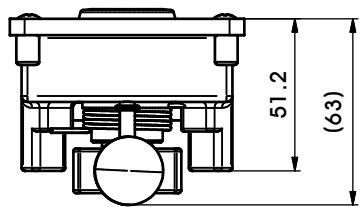
REVISION HISTORY					
REV	DESCRIPTION	DATE	DR	RE	AP
0	Issued	05.Mar.20	M.J.Kim	J.I.Kim	J.H.Lee



ComeSys Control & Measurement Systems Limited			Name Hand Throttle Accelerator Ass'y (MTH10)		
General Tolerance for Machining (KS B 0412)			Application Model -		
5.0-30mm	±0.2	120-315mm ±1.2	Material -		
3-5mm	±0.3	315-1000mm ±1.2	Paint & Surface Treatment -		
5-30mm	±0.5	1000-3000mm ±1.5	Weight 551 g		
30-120mm	±0.8	3000-6000mm ±1.8	Heat Treatment -		
The information contained in this Drawing is the sole property of ComeSys Ltd. Any reproduction in part or as a whole without the written permission of ComeSys Ltd is prohibited. http://comesys.net			Customer Part No. -		
DR	M.J.Kim	05.Mar.20	Do Not Scale		Comesys Part No. -
RE	J.I.Kim	05.Mar.20	Third Angle Projection		Issued 0
AP	J.H.Lee	05.Mar.20	Sheet 1 of 1		

Part No. -

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REV	DESCRIPTION	DATE	DR	RE	AP
0	Issued	05.Mar.20	M.J.Kim	J.I.Kim	J.H.Lee



ComeSys Control & Measurement Systems Limited				Name Hand Throttle Accelerator Ass'y (MTH101)																	
<small>General Tolerance for Machining (KS B 0412)</small> <table border="1"> <tr> <td>0.5-30mm</td> <td>±0.2</td> <td>120-315mm</td> <td>±1.2</td> </tr> <tr> <td>3-6mm</td> <td>±0.3</td> <td>315-1000mm</td> <td>±2</td> </tr> <tr> <td>6-30mm</td> <td>±0.5</td> <td>1000-3000mm</td> <td>±3</td> </tr> <tr> <td>30-120mm</td> <td>±0.8</td> <td>3000-6000mm</td> <td>±4</td> </tr> </table>				0.5-30mm	±0.2	120-315mm	±1.2	3-6mm	±0.3	315-1000mm	±2	6-30mm	±0.5	1000-3000mm	±3	30-120mm	±0.8	3000-6000mm	±4	<small>Priority & Confidence</small> The information contained in this Drawing is the sole property of ComeSys Ltd. Any reproduction in part or as a whole without the written permission of ComeSys Ltd is prohibited. http://comesys.net	
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AP	J.H.Lee	05.Mar.20	Sheet 1 of 1	Customer Part No.	ComeSys Part No.																
				410 g	0																